Wiring Diagrams

INDEX

MODEL NO.	TYPE	VOLTAGE (1 Ph, 60 Hz)	FIGURE NO.	LABEL DIAGRAM
Heat Pumps				
52EQ	EC	208/230, 265	1	52EQ500054
52SQ	AA/CP	208/230, 265	2	52SQ502304
	RC	208/230, 265	3	50SQ502384
Heat/Cool Units				
52EE	EC	208/230, 265	1	52EQ500054
52SC	AA/CP	208/230, 265	4	52SQ500164
52SE	AA/CP	208/230, 265	5	52SE500374
	RC	208/230, 265	6	52SE500384

ACCESSORY			
Item	**Model No.**	**Figure No.**	**Label Diagram**
Energy Management (EM) Kit	EM-KIT	7	52SQ506072

LEGEND

AA — Standard Chassis (52S)
CP — Corrosion Protection
EC — Standard Chassis (52E)
RC — Remote Control

LEGEND

CAP — Capacitor
CENT — Central
COM — Common
COMM — Communication
COMP — Compressor
CONCYC — Continuous Cycle
CR — Cooling Relay
CW — Clockwise
EQUIP — Equipment
FCS — Fan Cycle Switch
FGT — Freeze Guard Thermostat
FM — Fan Motor
FR — Fan Relay
GND — Ground
HERM — Hermetic
HR — Heating Relay
HTR — Heater
ID — Indoor
IFT — Indoor Frost Thermostat
IT — Indoor Thermostat
LS — Limit Switch
NO — Normally Open
OD — Outdoor
OFT — Outdoor Frost Thermostat
OL — Overload
PL — Plug
PLS — Primary Limit Switch
PR — Primary Relay
RVR — Reversing Valve Relay
RVS — Reversing Valve Solenoid
SCM — Standard Control Module
SLS — Secondary Limit Switch
SSS — Speed Selector Switch
ST — Start Thermistor
SW — Switch
TB — Terminal Board
TRANS — Transformer
U/L — Upper/Lower
UNOCC — Unoccupied

Marked Connection

Unmarked Connection

Terminal Board

Factory-Installed Wiring

Field-Installed (or Optional) Wiring

Field (Main) Power Supply

To |indicate common potential only. Not to represent wire

NOTES:
1. Recommended for use on grounded power supply only.
2. Compressor and fan motor thermally protected.
3. Use copper conductors only.
4. All wiring must conform to NEC (National Electrical Code) and local codes.
5. Dashed boxes show start thermistor, reversing valve solenoid, and plug, when used.
6. Control center uses thermostat part number HH01AD045 or equivalent (Fig. 3, 6).
7. Field control wirie suitable for NEC, Class 2 control circuit at 24 volts (Fig. 3, 6).

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

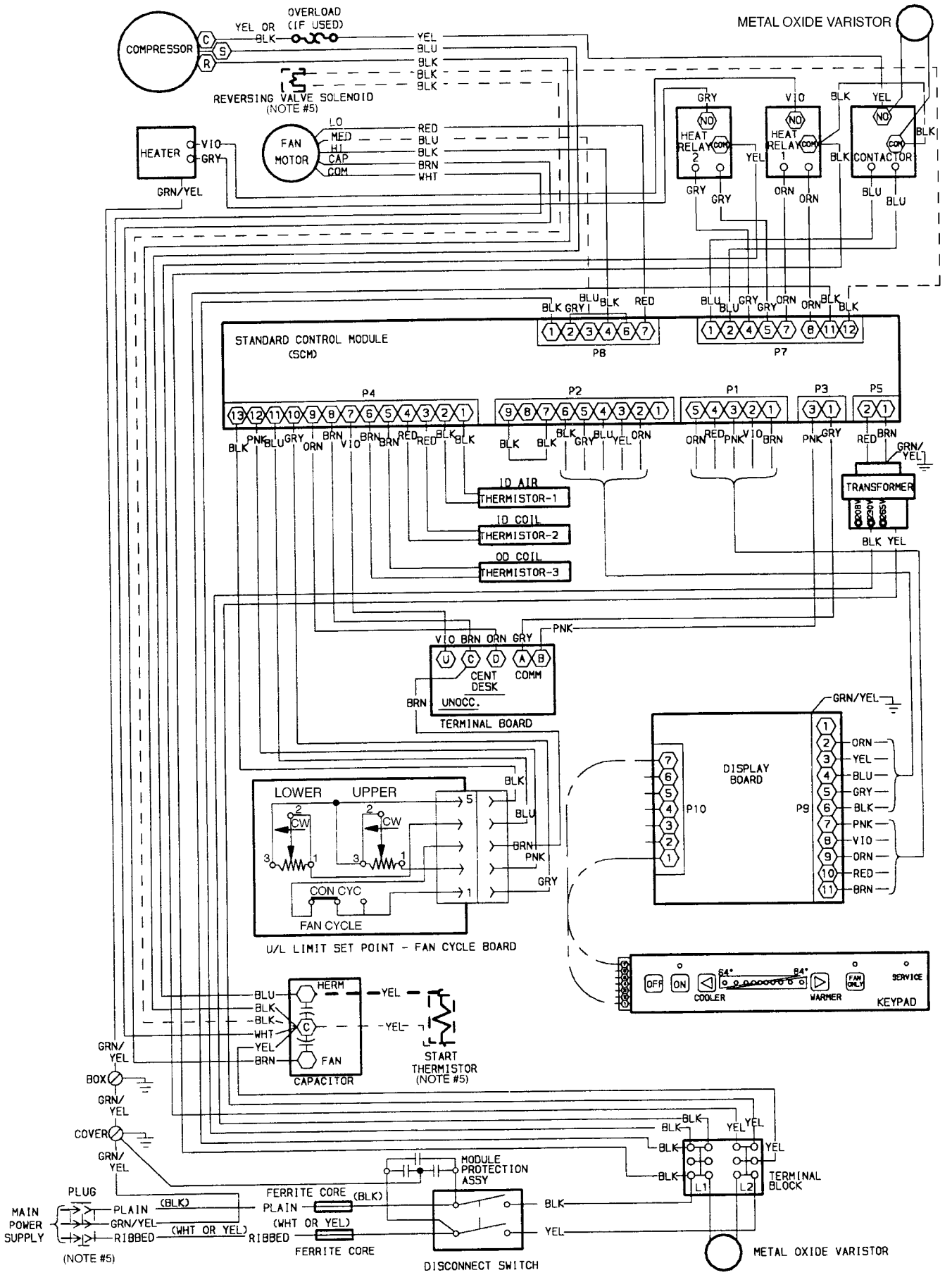

Fig. 1 — 52EE,EQ 230/208 V and 265 V — Standard Chassis Units

SELECTOR SWITCH	CONTACTS MADE
OFF	None
FAN	L1 to LO
LO HEAT	L1 to IT1, FCS to LO, L2 to HTR
HI HEAT	L1 to IT1, FCS to HI, L2 to HTR
LO COOL	L1 to IT3, FCS to LO
HI COOL	L1 to IT3, FCS to HI

FAN CYCLE SWITCH	CONTACTS MADE
CYCLE	1 to 2
CONSTANT	3 to 2

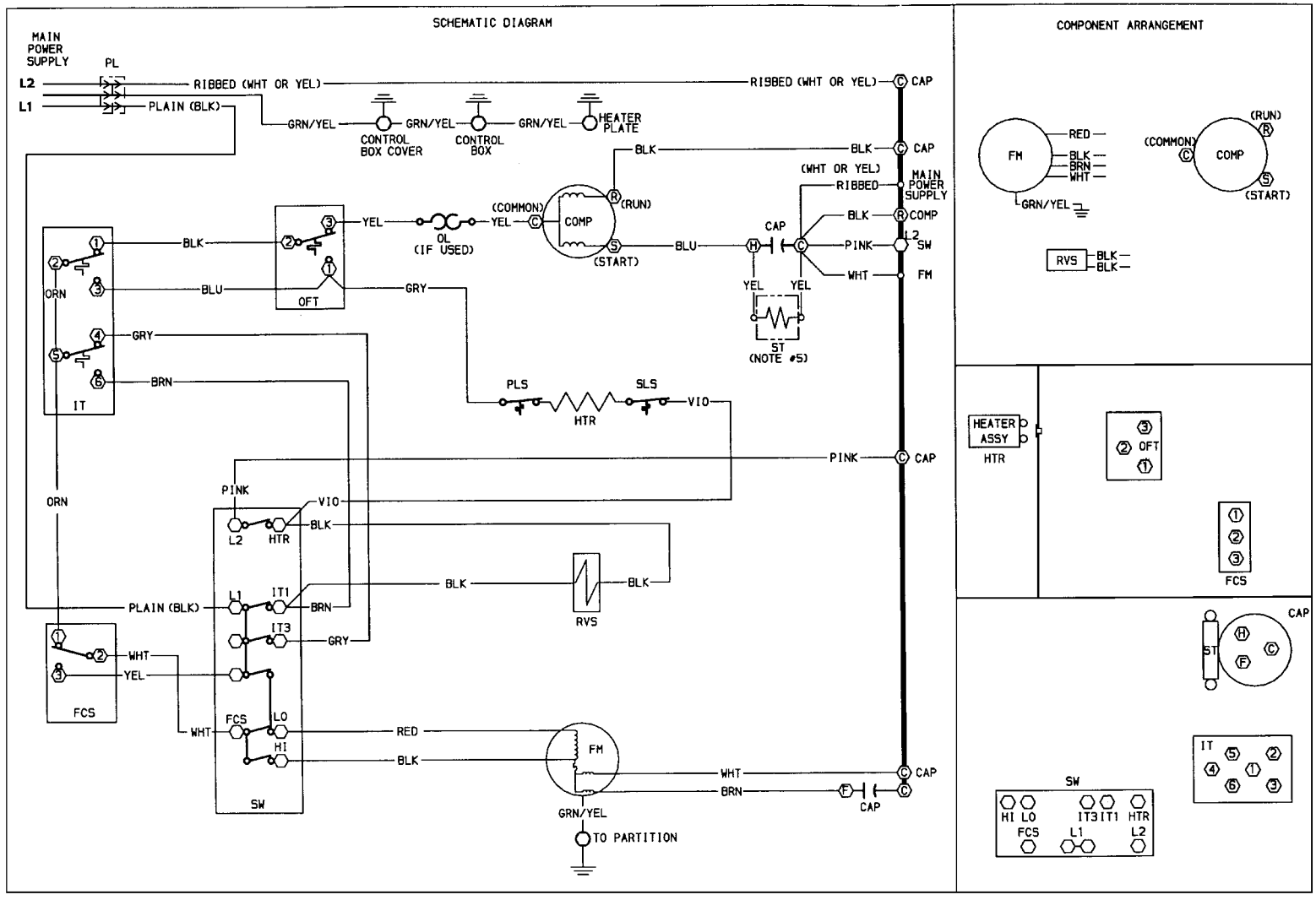

Fig. 2 — 52SQ 208/230 V and 265 V — Standard Chassis and Corrosion Protection Units

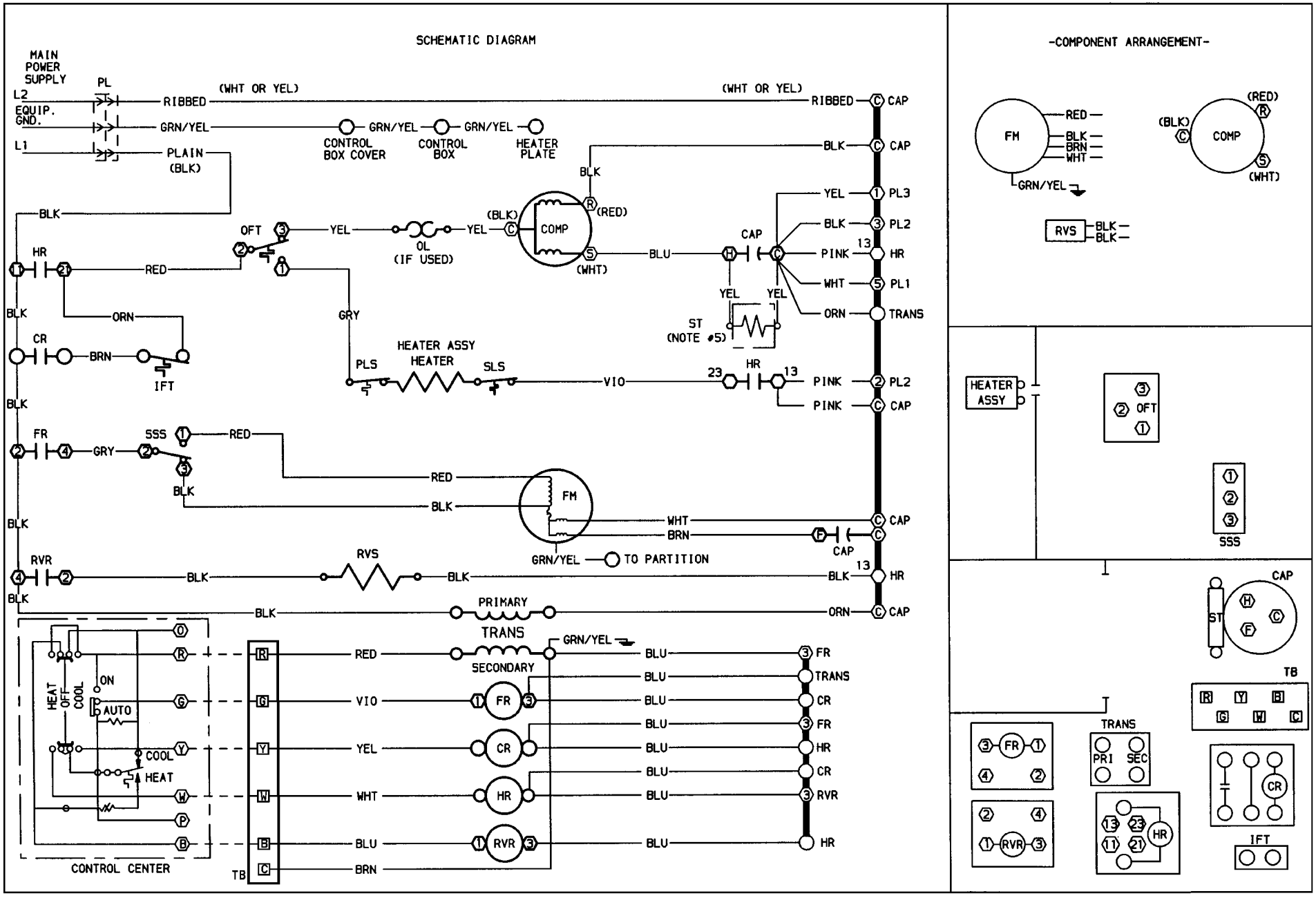

Fig. 3 — 52SQ 208/230 V and 265 V — Remote Control Units

SELECTOR SWITCH	CONTACTS MADE
OFF	None
FAN	L1 to LO
LO COOL	L1 to IT3, FCS to LO
HI COOL	L1 to IT3, FCS to HI

FAN CYCLE SWITCH	CONTACTS MADE
CYCLE	1 to 2
CONTINUOUS	3 to 2

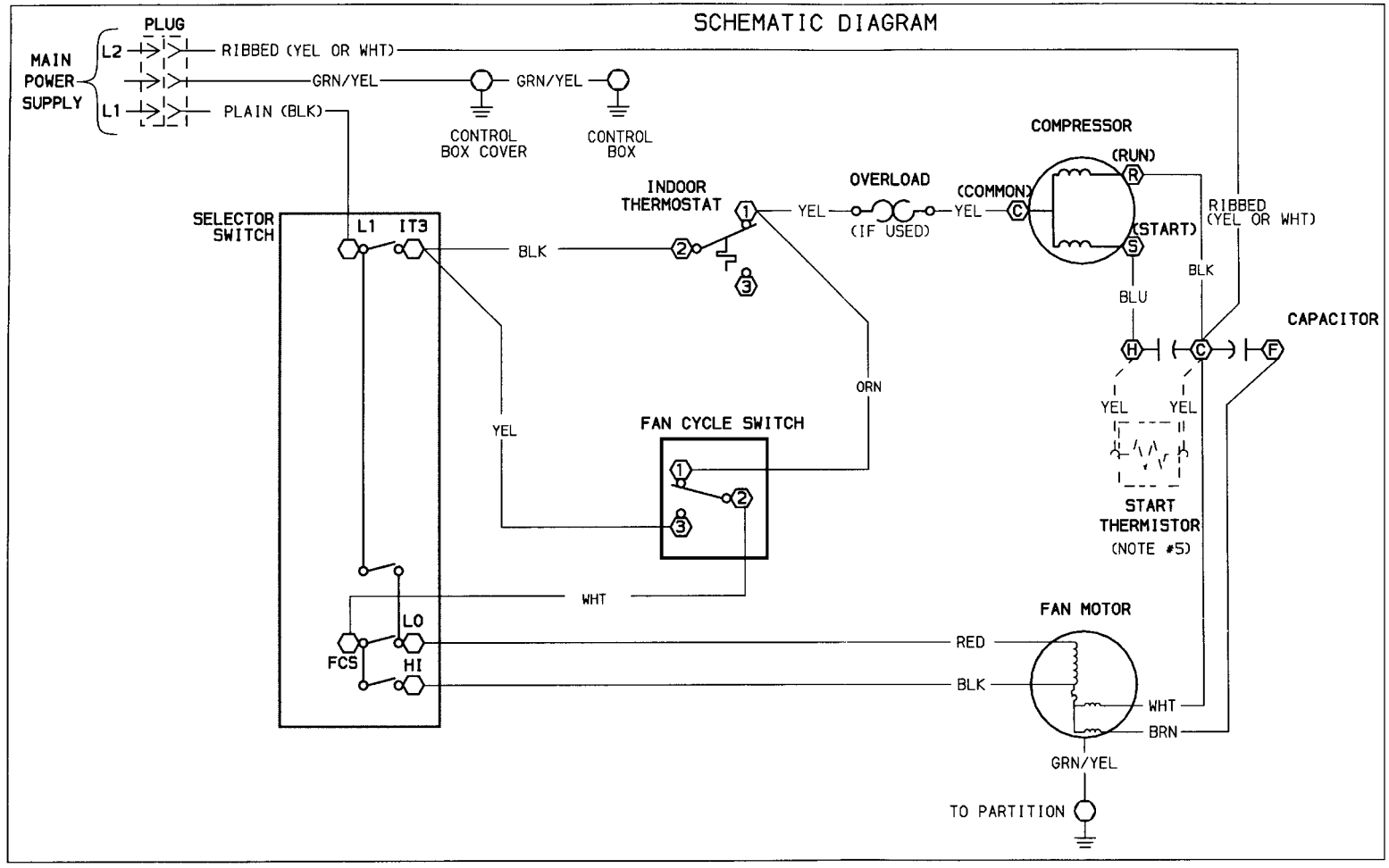

Fig. 4 — 52SC 208/230 V and 265 V — Standard Chassis and Corrosion Protection Units

SELECTOR SWITCH	CONTACTS MADE
OFF	FCS1 to LS
FAN	L1 to LO FCS1 to LS
LO HEAT	FCS2 to LO, IT1 to LS, L2 to HTR, FCS1 to LS
HI HEAT	FCS2 to HI, IT1 to LS, L2 to HTR, FCS1 to LS
LO COOL	FCS2 to LO, COMP to FCS1, COMP to IT3
HI COOL	FCS2 to HI, COMP to FCS1, COMP to IT3

FAN CYCLE SWITCH	CONTACTS MADE
CYCLE	1 to 2
CONTINUOUS	3 to 2

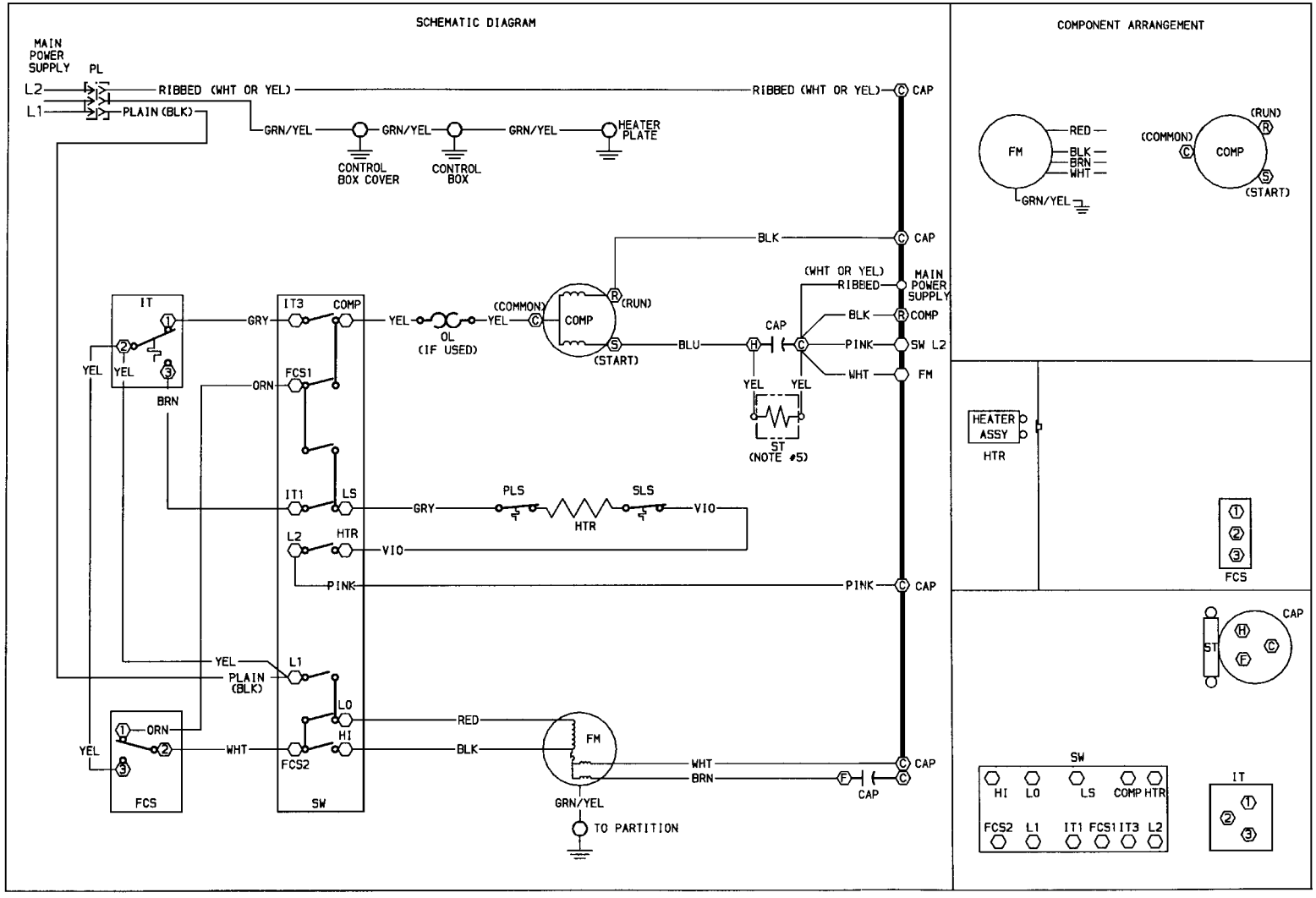

Fig. 5 — 52SE 208/230 V and 265 V — Standard Chassis and Corrosion Protection Units

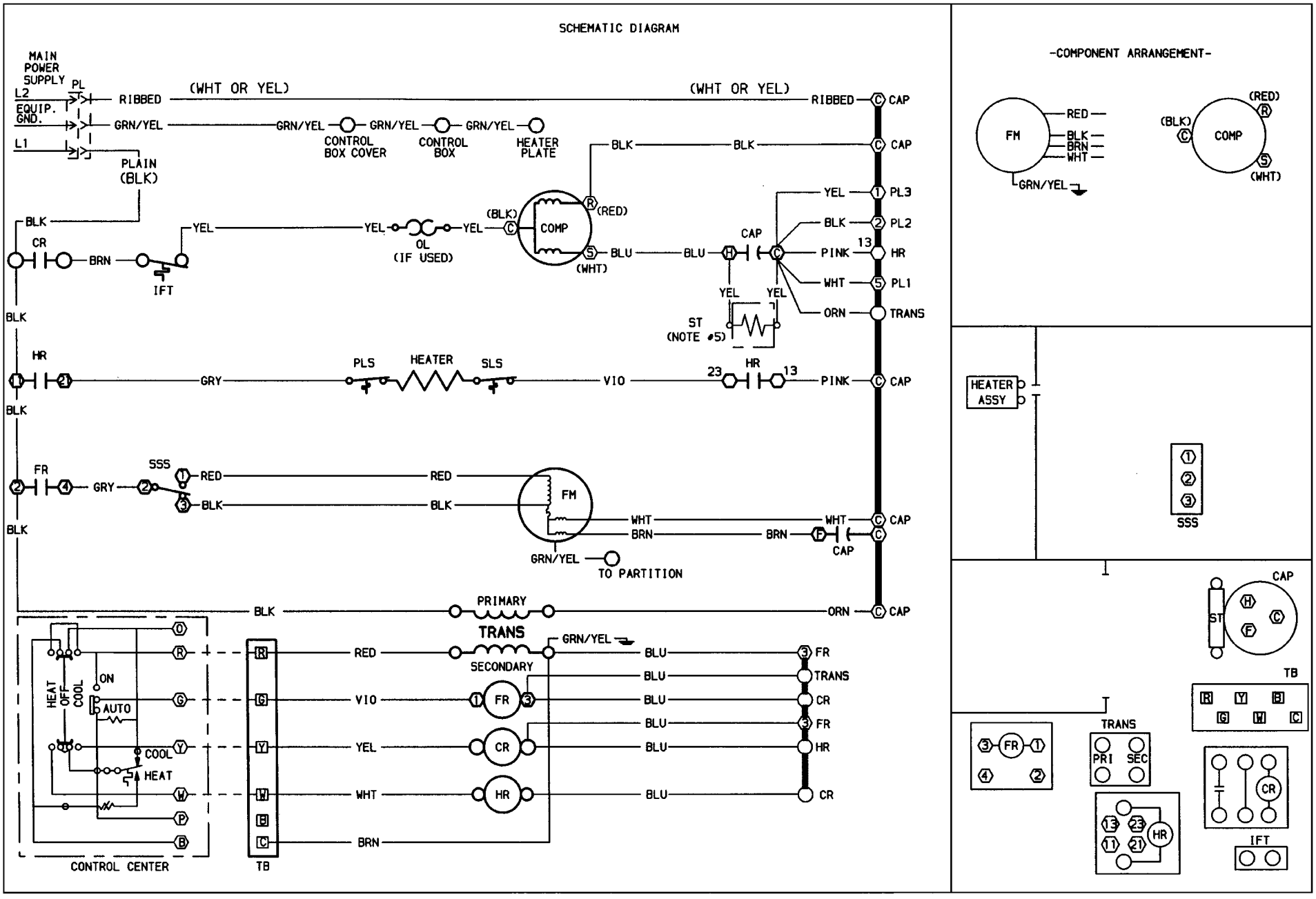

Fig. 6 — 52SE 208/230 V and 265 V — Remote Control Units

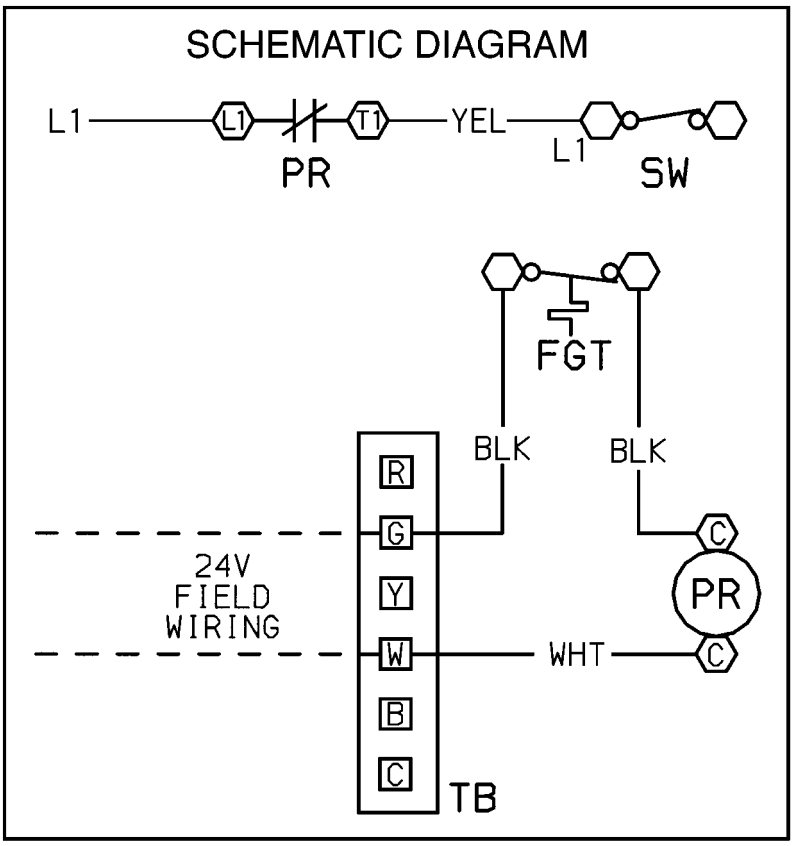

Fig. 7 — Energy Management (EM) Accessory

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